

Maryland – Baltimore-Towson Metropolitan Area HIV/AIDS Epidemiological Profile

Fourth Quarter 2009

Data reported through December 31, 2009



Center for HIV Surveillance and Epidemiology
Infectious Disease and Environmental Health Administration
Maryland Department of Health and Mental Hygiene
<http://eh.dhmdh.md.gov/ideah>
1-800-358-9001



HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 became law on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located using DHMH Form 1140.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department using DHMH Form 1140.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located using DHMH Form 1140.
- Laboratory directors are required to report patients with laboratory results indicating HIV infection (HIV antibody tests, CD4 immunological tests, HIV viral load tests, HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the State Health Department, using DHMH Form 4492.

For Assistance with HIV Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance and Epidemiology at the Maryland Department of Health and Mental Hygiene (410-767-5061).

Limitations in the HIV/AIDS Data

This epidemiological profile only contains HIV and AIDS data as reported by name. Despite a massive effort during which over 17,000 HIV cases were reported from April 24, 2007 through December 31, 2008, not all HIV cases previously reported by the code-based identifier were located and re-reported by name, so the number of living HIV cases is lower than previously reported. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an over-reporting of HIV diagnoses in recent years. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in reported HIV diagnoses.

Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur at the same time, but usually there is a time lag between them. The time lag between events can be measured in days, months, or years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, probably many years after the initial HIV infection [time point 1].

Changes in Case Terminology

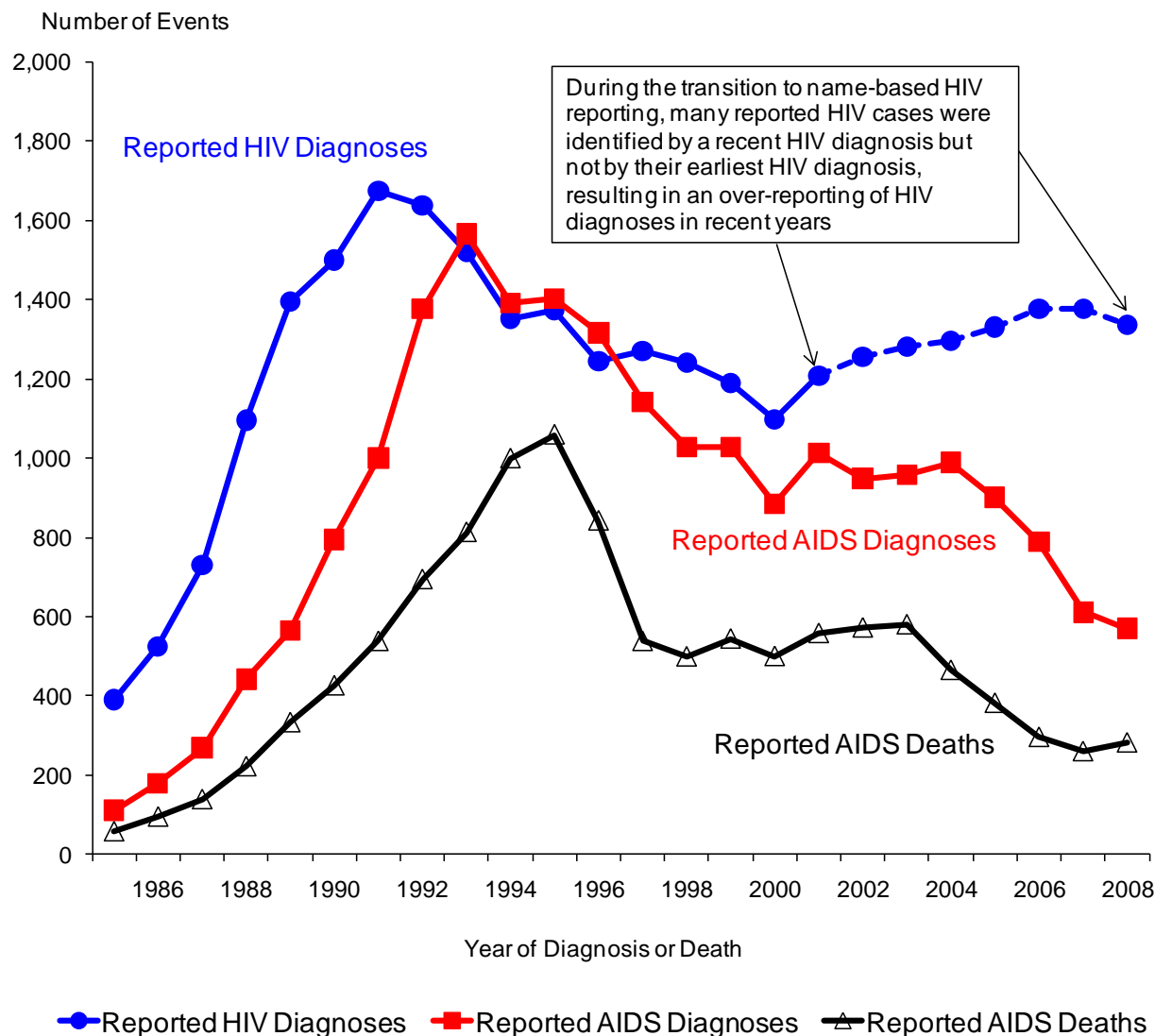
The terminology for HIV and AIDS cases was changed from earlier profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old cases. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is instead able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (the end of the year) are used to generate the number of diagnoses during the prior years. This one year lag allows for delays in reporting by providers and time for the health department to complete investigations. For example, the Reported HIV Diagnoses for 2008 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 1/1/08-12/31/08 as reported by name through 12/31/09.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 12/31/08 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/08 as reported by name through 12/31/09.

Section I – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2008

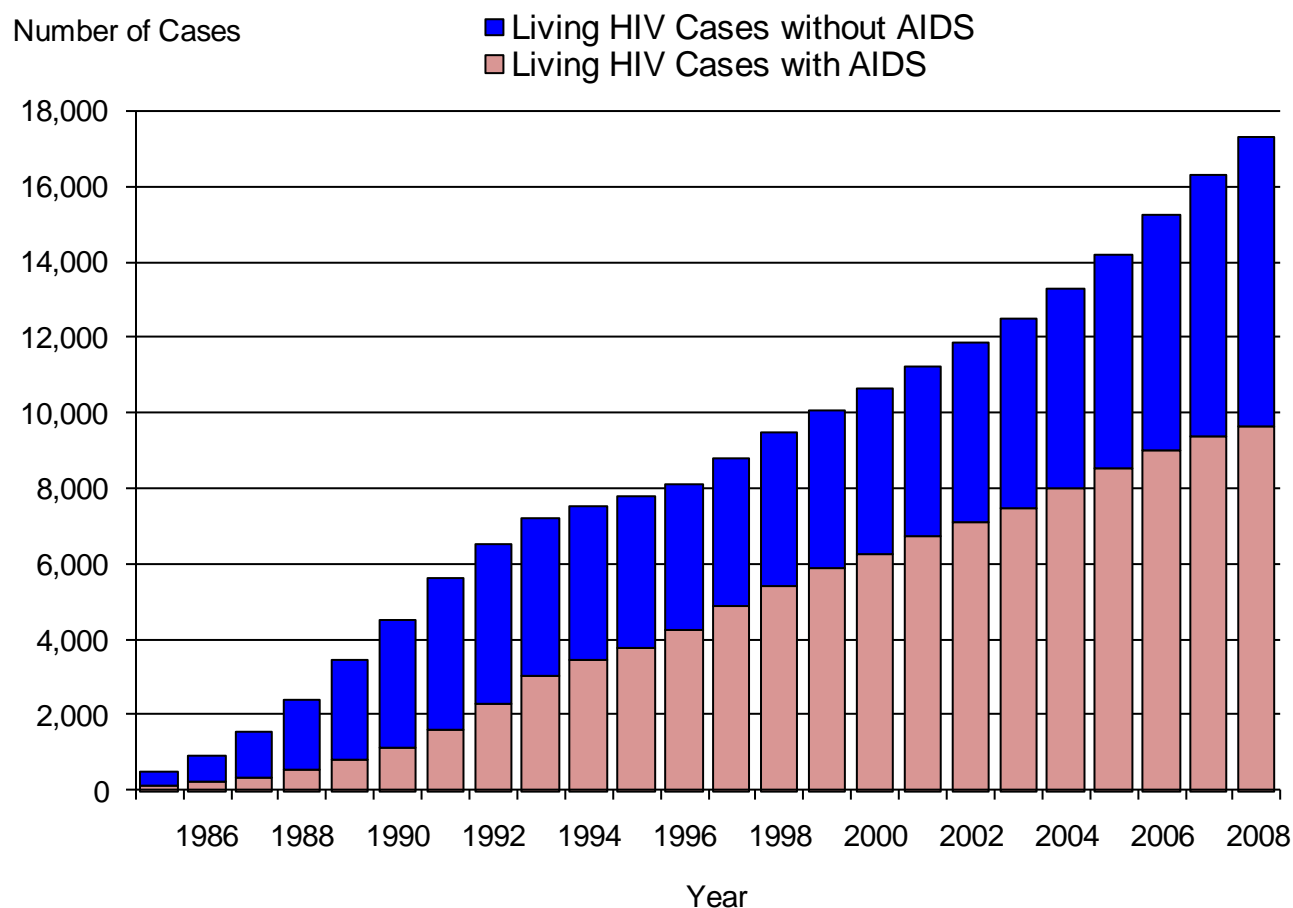
Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnosis) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2008 as Reported by Name through 12/31/09



YEAR	Reported			YEAR	Reported			YEAR	Reported		
	HIV Diag.	AIDS Diag.	AIDS Death		HIV Diag.	AIDS Diag.	AIDS Death		HIV Diag.	AIDS Diag.	AIDS Death
1985	390	111	58	1993	1,522	1,566	813	2001	1,209	1,013	558
1986	524	180	95	1994	1,353	1,391	999	2002	1,256	949	572
1987	730	269	139	1995	1,373	1,403	1,059	2003	1,282	959	580
1988	1,096	442	222	1996	1,246	1,317	842	2004	1,297	989	465
1989	1,395	564	333	1997	1,270	1,141	538	2005	1,331	901	382
1990	1,500	795	426	1998	1,242	1,027	499	2006	1,376	790	296
1991	1,674	1,000	538	1999	1,189	1,028	544	2007	1,376	611	260
1992	1,637	1,376	694	2000	1,099	885	500	2008	1,336	570	282

Section II – Trends in Living HIV and AIDS Cases, 1985-2008

Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year from 1985 through 2008 as Reported by Name through 12/31/09

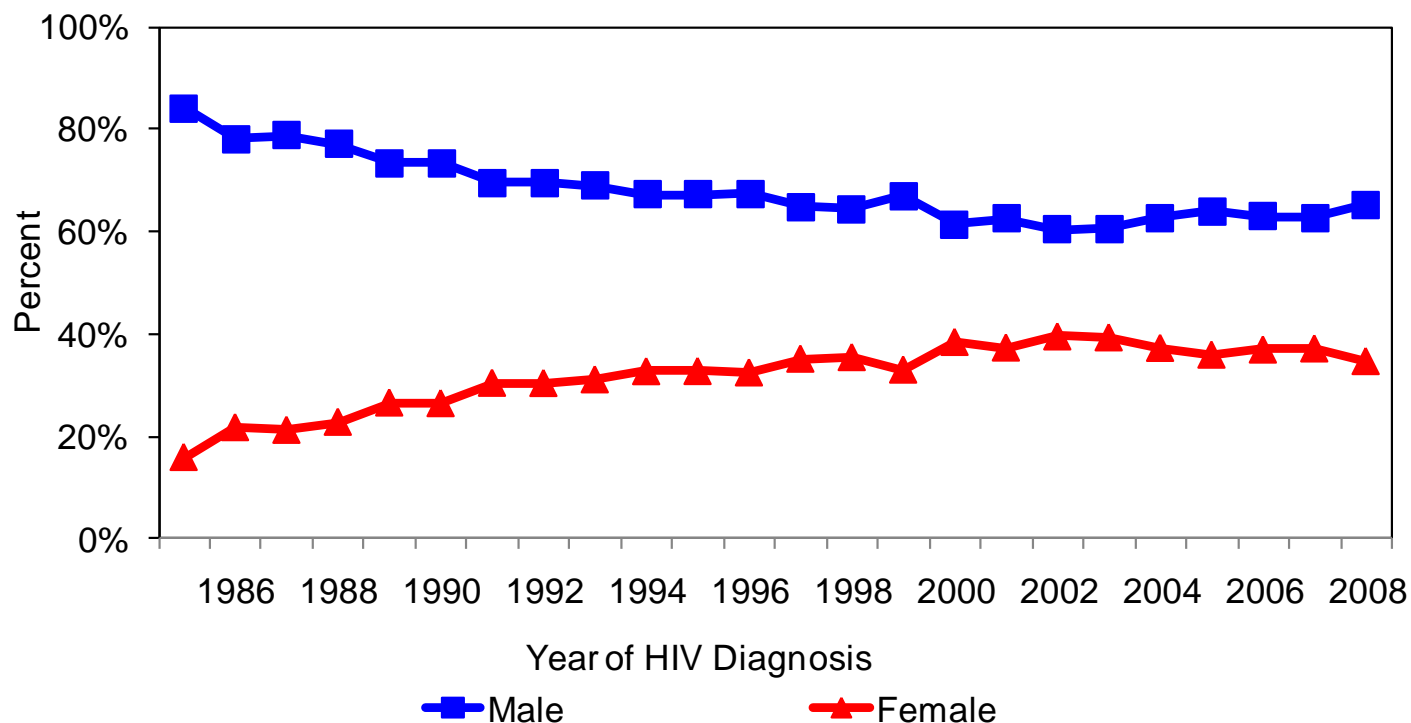


YEAR	Living HIV Cases without AIDS*	Living HIV Cases with AIDS	Total Living HIV Cases*	YEAR	Living HIV Cases without AIDS*	Living HIV Cases with AIDS	Total Living HIV Cases*
1985	392	92	484	1997	3,914	4,838	8,752
1986	735	177	912	1998	4,092	5,366	9,458
1987	1,192	307	1,499	1999	4,208	5,850	10,058
1988	1,842	527	2,369	2000	4,377	6,235	10,612
1989	2,661	758	3,419	2001	4,516	6,690	11,206
1990	3,356	1,127	4,483	2002	4,765	7,067	11,832
1991	4,016	1,589	5,605	2003	5,022	7,446	12,468
1992	4,245	2,271	6,516	2004	5,290	7,970	13,260
1993	4,172	3,024	7,196	2005	5,685	8,489	14,174
1994	4,083	3,416	7,499	2006	6,222	8,983	15,205
1995	3,982	3,760	7,742	2007	6,954	9,334	16,288
1996	3,843	4,235	8,078	2008	7,643	9,622	17,265

* During the transition to name-based HIV reporting, not all code-based HIV cases were located and re-reported, therefore the number of living HIV cases without AIDS and the total living HIV cases are lower than previously reported

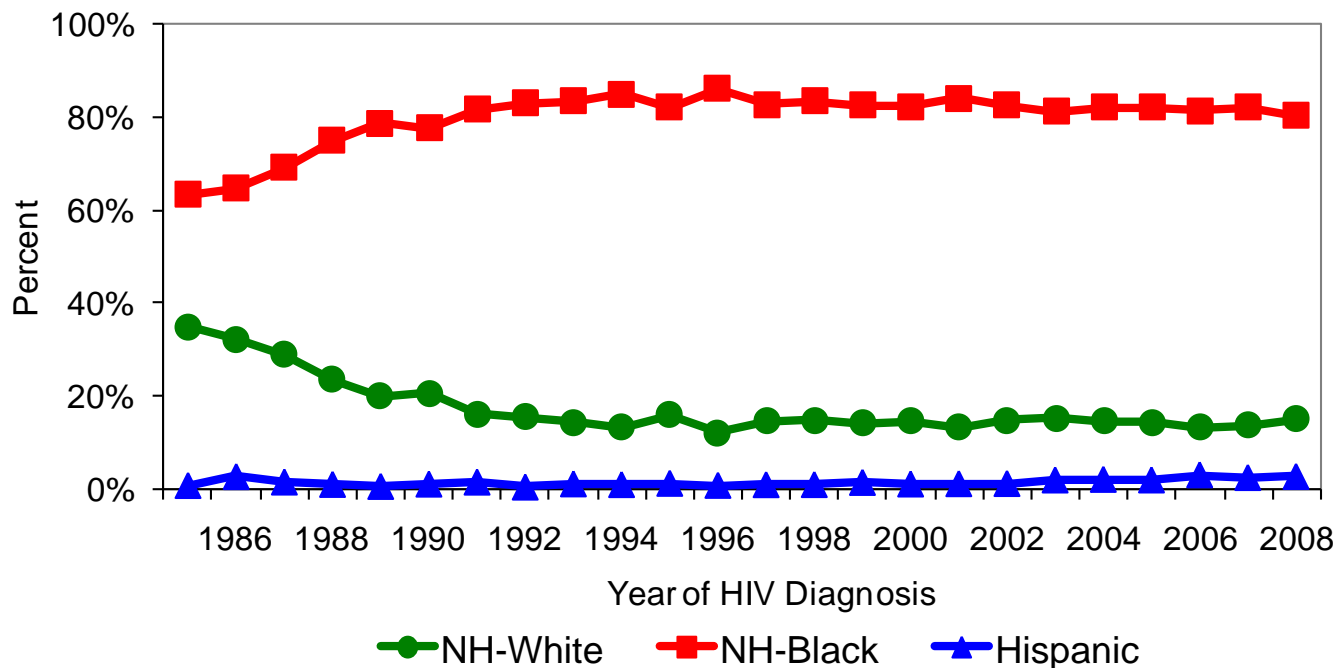
Section III – Trends in Reported HIV Diagnoses by Demographics and Exposure Category, 1985-2008

Proportions by Gender of Reported HIV Cases with or without an AIDS Diagnosis by Year of HIV Diagnosis from 1985 through 2008 as Reported by Name through 12/31/09



YEAR	Reported HIV Diagnoses	Percent Male	Percent Female	YEAR	Reported HIV Diagnoses	Percent Male	Percent Female
1985	390	84.1	15.9	1997	1,270	64.8	35.2
1986	524	78.2	21.8	1998	1,242	64.5	35.5
1987	730	78.8	21.2	1999	1,189	67.0	33.0
1988	1,096	77.2	22.8	2000	1,099	61.5	38.5
1989	1,395	73.4	26.6	2001	1,209	62.6	37.4
1990	1,500	73.5	26.5	2002	1,256	60.4	39.6
1991	1,674	69.5	30.5	2003	1,282	60.6	39.4
1992	1,637	69.6	30.4	2004	1,297	62.7	37.3
1993	1,522	68.9	31.1	2005	1,331	64.0	36.0
1994	1,353	67.3	32.7	2006	1,376	63.0	37.0
1995	1,373	67.2	32.8	2007	1,376	62.8	37.2
1996	1,246	67.5	32.5	2008	1,336	65.3	34.7

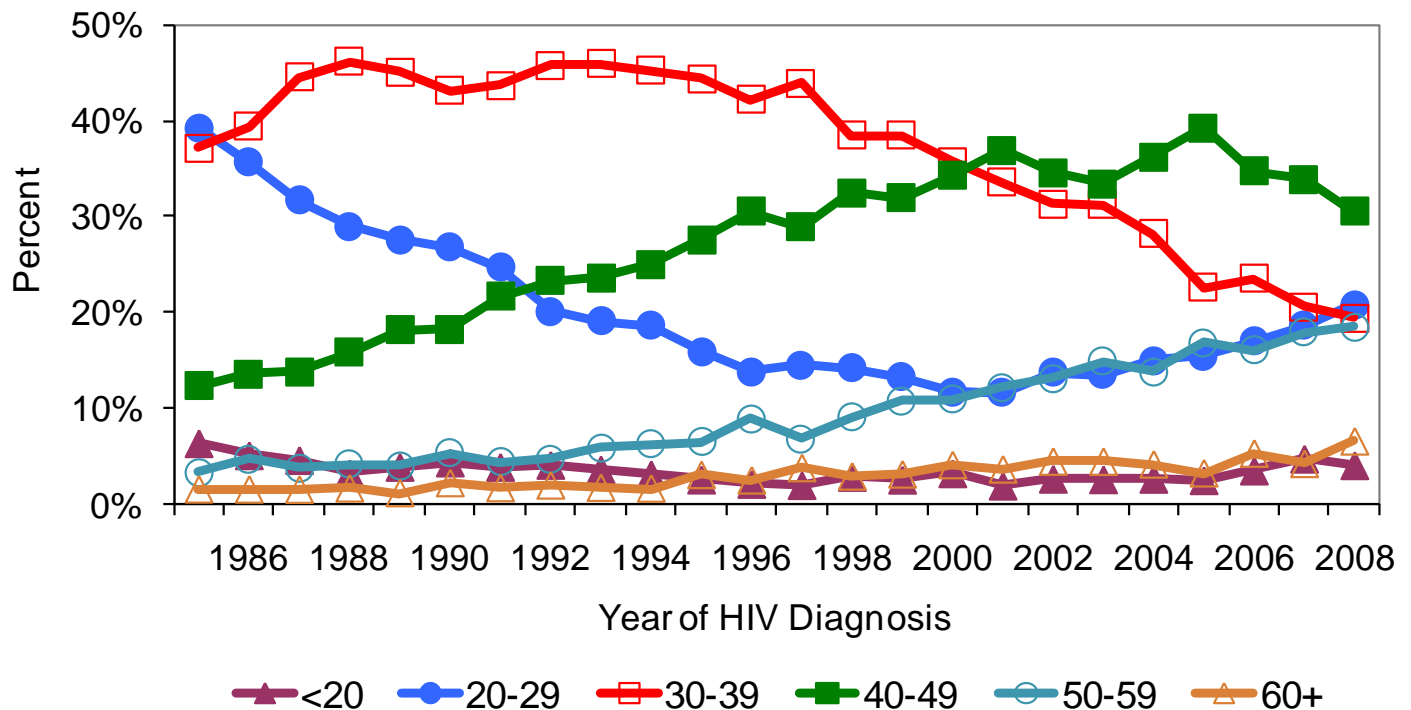
Proportions by Race/Ethnicity* of Reported HIV Cases with or without an AIDS Diagnosis by Year of HIV Diagnosis from 1985 through 2008 as Reported by Name through 12/31/09



* Other race category not shown.

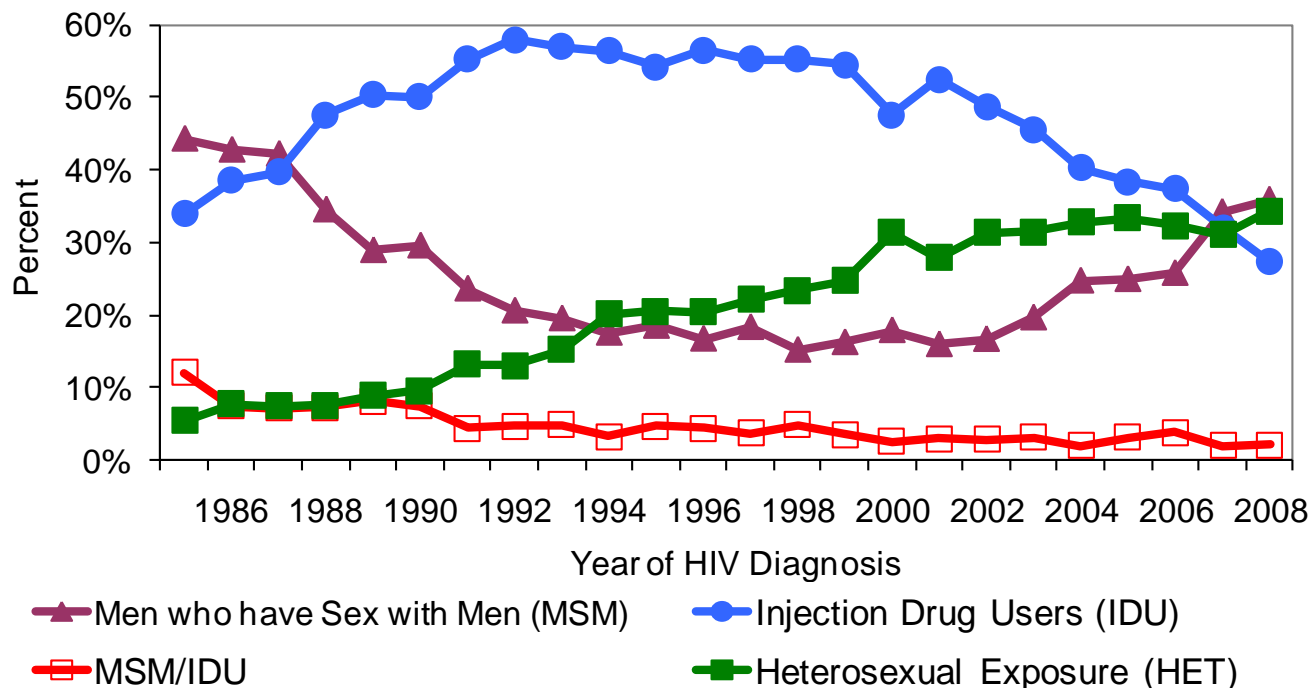
YEAR	Reported HIV Diagnoses	Percent Non-Hispanic White	Percent Non-Hispanic Black	Percent Hispanic	Percent Other
1985	390	34.9	63.3	0.8	1.0
1986	524	32.2	64.7	2.7	0.4
1987	730	28.9	69.3	1.5	0.3
1988	1,096	23.4	75.0	1.0	0.6
1989	1,395	20.1	78.9	0.6	0.4
1990	1,500	20.7	77.7	1.1	0.5
1991	1,674	16.1	81.8	1.5	0.6
1992	1,637	15.5	83.2	0.4	0.9
1993	1,522	14.3	83.6	1.1	1.0
1994	1,353	13.2	85.1	1.0	0.7
1995	1,373	16.0	82.2	1.2	0.6
1996	1,246	12.2	86.3	0.8	0.7
1997	1,270	14.6	82.8	0.9	1.6
1998	1,242	14.7	83.6	1.0	0.7
1999	1,189	14.2	82.6	1.4	1.8
2000	1,099	14.6	82.4	1.1	2.0
2001	1,209	13.3	84.3	1.2	1.2
2002	1,256	14.8	82.7	1.2	1.3
2003	1,282	15.4	81.3	2.0	1.4
2004	1,297	14.5	82.2	2.1	1.2
2005	1,331	14.4	82.3	2.0	1.4
2006	1,376	13.3	81.6	3.0	2.0
2007	1,376	13.7	82.3	2.5	1.6
2008	1,336	15.0	80.3	2.7	2.0

Proportions by Age at Diagnosis of Reported HIV Cases with or without an AIDS Diagnosis by Year of HIV Diagnosis from 1985 through 2008 as Reported by Name through 12/31/09



YEAR	Reported HIV Diagnoses	Percent Age <20	Percent Age 20-29	Percent Age 30-39	Percent Age 40-49	Percent Age 50-59	Percent Age 60+
1985	390	6.4	29.2	37.2	12.3	3.3	1.5
1986	524	5.2	35.7	39.3	13.6	4.8	1.5
1987	730	4.7	31.6	44.5	13.8	3.8	1.5
1988	1,096	3.3	29.0	46.1	15.8	4.2	1.6
1989	1,395	3.9	27.6	45.1	18.1	4.1	1.2
1990	1,500	4.4	26.8	43.1	18.2	5.3	2.2
1991	1,674	3.9	24.6	43.7	21.7	4.4	1.7
1992	1,637	4.2	20.1	45.8	23.3	4.7	2.0
1993	1,522	3.7	19.1	45.9	23.6	5.9	1.7
1994	1,353	3.2	18.6	45.2	25.1	6.3	1.6
1995	1,373	2.6	16.0	44.4	27.5	6.5	3.1
1996	1,246	2.2	13.8	42.1	30.5	8.9	2.5
1997	1,270	2.0	14.5	43.9	28.9	6.8	3.8
1998	1,242	2.9	14.2	38.5	32.5	9.0	2.9
1999	1,189	2.6	13.2	38.4	31.9	10.8	3.1
2000	1,099	3.3	11.7	35.8	34.2	10.9	4.1
2001	1,209	2.0	11.7	33.6	36.9	12.2	3.6
2002	1,256	2.7	13.7	31.4	34.6	13.1	4.5
2003	1,282	2.6	13.4	31.2	33.4	14.9	4.4
2004	1,297	2.7	15.0	28.1	36.2	13.8	4.2
2005	1,331	2.6	15.4	22.6	39.3	16.9	3.2
2006	1,376	3.6	17.0	23.5	34.7	16.0	5.3
2007	1,376	4.8	18.6	20.6	33.9	17.9	4.2
2008	1,336	4.1	20.8	19.5	30.5	18.5	6.6

Proportions by Exposure Category* of Reported HIV Cases with or without an AIDS Diagnosis and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2008 as Reported by Name through 12/31/09



* Cases with no reported exposure category were excluded from percent distributions. Other exposure category not shown.

YEAR	Reported HIV Diagnoses	With Exposure Category	Percent MSM	Percent IDU	Percent MSM/IDU	Percent HET	Percent Other Exposure
1985	390	372	66.3	14.6	3.4	4.5	11.2
1986	524	509	42.8	38.5	7.5	7.7	3.5
1987	730	705	42.3	39.7	7.1	7.4	3.5
1988	1,096	1,059	34.6	47.6	7.3	7.6	3.0
1989	1,395	1,348	28.9	50.4	8.1	8.8	3.8
1990	1,500	1,434	29.6	50.1	7.5	9.6	3.3
1991	1,674	1,605	23.6	55.3	4.4	13.1	3.6
1992	1,637	1,546	20.6	58.0	4.7	13.0	3.8
1993	1,522	1,462	19.5	57.0	4.9	15.3	3.4
1994	1,353	1,280	17.5	56.4	3.2	20.1	2.8
1995	1,373	1,295	18.5	54.3	4.7	20.5	2.0
1996	1,246	1,175	16.7	56.6	4.3	20.4	2.0
1997	1,270	1,159	18.3	55.2	3.7	22.1	0.7
1998	1,242	1,129	15.1	55.2	4.8	23.4	1.5
1999	1,189	1,062	16.2	54.5	3.5	24.8	1.0
2000	1,099	963	17.9	47.7	2.6	31.4	0.5
2001	1,209	1,062	15.9	52.5	3.0	27.9	0.7
2002	1,256	1,094	16.6	48.8	2.8	31.4	0.4
2003	1,282	1,086	19.6	45.6	3.0	31.5	0.3
2004	1,297	1,056	24.7	40.2	1.9	32.8	0.4
2005	1,331	1,007	24.9	38.4	3.1	33.4	0.2
2006	1,376	935	25.8	37.3	3.9	32.4	0.6
2007	1,376	850	34.2	32.1	2.0	31.1	0.6
2008	1,336	782	35.9	27.2	2.0	34.4	0.4

Section IV – HIV and AIDS Cases by Jurisdiction, Diagnoses during 2008

Reported HIV Cases with or without an AIDS Diagnosis, Diagnosed with HIV during 1/1/08-12/31/08 (Reported HIV Diagnoses) and Reported HIV Cases with an AIDS Diagnosis, Diagnosed with AIDS during 1/1/08-12/31/08 (Reported AIDS Diagnoses) as Reported by Name through 12/31/09

JURISDICTION OF RESIDENCE	Population ^a	Reported HIV Diagnoses ^b			Reported AIDS Diagnoses		
	No.	No.	%	Rate ^c	No.	%	Rate ^c
Anne Arundel	512,790	107	8.0%	20.9	51	8.9%	9.9
Baltimore City	636,919	932	69.8%	146.3	404	70.9%	63.4
Baltimore	785,618	216	16.2%	27.5	86	15.1%	10.9
Carroll	169,353	8	0.6%	4.7	3	0.5%	1.8
Harford	240,351	39	2.9%	16.2	12	2.1%	5.0
Howard	274,995	31	2.3%	11.3	12	2.1%	4.4
Queen Anne's	47,091	3	0.2%	6.4	2	0.4%	4.2
BALTIMORE-TOWSON METROPOLITAN AREA TOTAL	2,667,117	1,336	100.0%	50.1	570	100.0%	21.4

a Population is from the July 1, 2008 Census Population Estimates

b During the transition to name-based HIV reporting, many reported HIV cases were identified by a recent HIV diagnosis, but not by their earliest HIV diagnosis, resulting in an over-reporting of HIV diagnoses in recent years

c Rate is number of cases per 100,000 population

Section V – HIV and AIDS Cases by Jurisdiction, Alive on 12/31/2008

Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to Have Died as of 12/31/08 as Reported by Name through 12/31/09

JURISDICTION OF RESIDENCE	Popu-lation ^a	Living HIV Cases without AIDS ^b			Living HIV Cases with AIDS			Total Living HIV Cases ^b			
	No.	No.	%	Rate ^c	No.	%	Rate ^c	No.	%	Rate ^c	Ratio ^d (1 in X)
Anne Arundel	512,790	412	5.4%	80.3	572	5.9%	111.5	984	5.7%	191.9	521
Baltimore City	636,919	5,893	77.1%	925.2	7,262	75.5%	1,140.2	13,155	76.2%	2,065.4	48
Baltimore	785,618	925	12.1%	117.7	1,280	13.3%	162.9	2,205	12.8%	280.7	356
Carroll	169,353	56	0.7%	33.1	60	0.6%	35.4	116	0.7%	68.5	1,459
Harford	240,351	158	2.1%	65.7	213	2.2%	88.6	371	2.1%	154.4	647
Howard	274,995	185	2.4%	67.3	210	2.2%	76.4	395	2.3%	143.6	696
Queen Anne's	47,091	14	0.2%	29.7	25	0.3%	53.1	39	0.2%	82.8	1,207
BALTIMORE-TOWSON METROPOLITAN AREA TOTAL	2,667,117	7,643	100.0%	286.6	9,622	100.0%	360.8	17,265	100.0%	647.3	154

a Population is from the July 1, 2008 Census Population Estimates

b During the transition to name-based HIV reporting, not all code-based HIV cases were located and re-reported, therefore the number of living HIV cases without AIDS and the total living HIV cases are lower than previously reported

c Rate is number of cases per 100,000 population

d Ratio is number of people per case (there was 1 case for every 154 people in the Baltimore-Towson Metropolitan Area)

Section VI – HIV and AIDS Cases by Demographics, Diagnoses during 2008

Reported HIV Cases with or without an AIDS Diagnosis, Diagnosed with HIV during 1/1/08-12/31/08 (Reported HIV Diagnoses) and Reported HIV Cases with an AIDS Diagnosis, Diagnosed with AIDS during 1/1/08-12/31/08 (Reported AIDS Diagnoses) as Reported by Name through 12/31/09

GENDER	Population ^a	Reported HIV Diagnoses ^b			Reported AIDS Diagnoses		
	No.	No.	%	Rate ^c	No.	%	Rate ^c
Male	1,285,632	872	65.3%	67.8	362	63.5%	28.2
Female	1,381,485	464	34.7%	33.6	208	36.5%	15.1
GENDER TOTAL	2,667,117	1,336	100.0%	50.1	570	100.0%	21.4

RACE/ETHNICITY	Population ^a	Reported HIV Diagnoses ^b			Reported AIDS Diagnoses		
	No.	No.	%	Rate ^c	No.	%	Rate ^c
Non-Hispanic White	1,669,577	201	15.0%	12.0	56	9.8%	3.4
Non-Hispanic Black	760,095	1,073	80.3%	141.2	486	85.3%	63.9
Hispanic	88,994	36	2.7%	40.5	14	2.5%	15.7
Other	148,451	26	1.9%	17.5	14	2.5%	9.4
RACE/ETHNICITY TOTAL	2,667,117	1,336	100.0%	50.1	570	100.0%	21.4

AGE AT DIAGNOSIS	Population ^a	Reported HIV Diagnoses ^b			Reported AIDS Diagnoses		
	No.	No.	%	Rate ^c	No.	No.	Rate ^c
<5 (Pediatric)	172,216	2	0.1%	1.2	0	0.0%	0.0
5-12 (Pediatric)	273,870	1	0.1%	0.4	0	0.0%	0.0
13-19	264,855	52	3.9%	19.6	12	2.1%	4.5
20-29	358,577	278	20.8%	77.5	67	11.8%	18.7
30-39	344,809	260	19.5%	75.4	114	20.0%	33.1
40-49	418,280	408	30.5%	97.5	220	38.6%	52.6
50-59	368,444	247	18.5%	67.0	123	21.6%	33.4
60+	466,066	88	6.6%	18.9	34	6.0%	7.3
AGE TOTAL	2,667,117	1,336	100.0%	50.1	570	100.0%	21.4

a Population is from the July 1, 2008 Census Population Estimates

b During the transition to name-based HIV reporting, many reported HIV cases were identified by a recent HIV diagnosis, but not by their earliest HIV diagnosis, resulting in an over-reporting of HIV diagnoses in recent years

c Rate is number of cases per 100,000 population

Section VII – HIV and AIDS Cases by Demographics, Alive on 12/31/2008

Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to Have Died as of 12/31/08 as Reported by Name through 12/31/09

GENDER	Popu- lation ^a	Living HIV Cases without AIDS ^b			Living HIV Cases with AIDS			Total Living HIV Cases ^b			
	No.	No.	%	Rate ^c	No.	%	Rate ^c	No.	%	Rate ^c	Ratio ^d (1 in X)
Male	1,285,632	4,723	61.8%	367.4	6,186	64.3%	481.2	10,909	63.2%	848.5	117
Female	1,381,485	2,920	38.2%	211.4	3,436	35.7%	248.7	6,356	36.8%	460.1	217
GENDER TOTAL	2,667,117	7,643	100.0%	286.6	9,622	100.0%	360.8	17,265	100.0%	647.3	154

RACE/ ETHNICITY	Popu- lation ^a	Living HIV Cases without AIDS ^b			Living HIV Cases with AIDS			Total Living HIV Cases ^b			
	No.	No.	%	Rate ^c	No.	%	Rate ^c	No.	%	Rate ^c	Ratio ^d (1 in X)
Non-Hispanic White	1,669,577	1,340	17.5%	80.3	1,512	15.7%	90.6	2,852	16.5%	170.8	585
Non-Hispanic Black	760,095	6,045	79.1%	795.3	7,800	81.1%	1,026.2	13,845	80.2%	1,821.5	54
Hispanic	88,994	144	1.9%	161.8	187	1.9%	210.1	331	1.9%	371.9	268
Other	148,451	114	1.5%	76.8	123	1.3%	82.9	237	1.4%	159.6	626
RACE/ ETHNICITY TOTAL	2,667,117	7,643	100.0%	286.6	9,622	100.0%	360.8	17,265	100.0%	647.3	154

AGE ON 12/31/08	Popu- lation ^a	Living HIV Cases without AIDS ^b			Living HIV Cases with AIDS			Total Living HIV Cases ^b			
	No.	No.	%	Rate ^c	No.	%	Rate ^c	No.	%	Rate ^c	Ratio ^d (1 in X)
<5 (Pediatric)	172,216	8	0.1%	4.6	1	0.0%	0.6	9	0.1%	5.2	19,135
5-12 (Pediatric)	273,870	26	0.3%	9.5	17	0.2%	6.2	43	0.2%	15.7	6,369
13-19	264,855	164	2.1%	61.9	88	0.9%	33.2	252	1.5%	95.1	1,051
20-29	358,577	925	12.1%	258.0	433	4.5%	120.8	1,358	7.9%	378.7	264
30-39	344,809	1,400	18.3%	406.0	1,349	14.0%	391.2	2,749	15.9%	797.3	125
40-49	418,280	2,687	35.2%	642.4	3,911	40.6%	935.0	6,598	38.2%	1,577.4	63
50-59	368,444	1,820	23.8%	494.0	2,936	30.5%	796.9	4,756	27.5%	1,290.8	77
60+	466,066	613	8.0%	131.5	887	9.2%	190.3	1500	8.7%	321.8	310
AGE TOTAL	2,667,117	7,643	100.0%	286.6	9,622	100.0%	360.8	17,265	100.0%	647.3	154

a Population is from the July 1, 2008 Census Population Estimates

b During the transition to name-based HIV reporting, not all code-based HIV cases were located and re-reported, therefore the number of living HIV cases without AIDS and the total living HIV cases are lower than previously reported

c Rate is number of cases per 100,000 population

d Ratio is number of people per case (there was 1 case for every 154 people in the Baltimore-Towson Metropolitan Area)

Section VIII – HIV and AIDS Cases by Expanded Demographics, Alive on 12/31/2008

Male Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to Have Died as of 12/31/08 as Reported by Name through 12/31/09

MALES						
AGE ON 12/31/08		RACE/ETHNICITY				TOTAL MALES BY AGE
		Non-Hispanic White	Non-Hispanic Black	Hispanic	Other	
<13 (Pediatric)	Population ^a	126,307	72,451	12,210	17,165	228,133
	Cases ^b	***	23	***	***	25
	Rate ^c	***	31.7	***	***	11.0
	Ratio (1 in X) ^d	***	3,150	***	***	9,125
13-19	Population ^a	79,031	43,796	4,553	7,483	134,863
	Cases ^b	***	108	***	***	124
	Rate ^c	***	246.6	***	***	91.9
	Ratio (1 in X) ^d	***	405	***	***	1,087
20-29	Population ^a	103,627	54,521	8,498	10,912	177,558
	Cases ^b	107	702	36	11	856
	Rate ^c	103.3	1,287.6	423.6	100.8	739.9
	Ratio (1 in X) ^d	968	77	236	992	135
30-39	Population ^a	98,082	46,962	9,658	12,608	167,310
	Cases ^b	299	1,000	70	25	1,394
	Rate ^c	304.8	2,129.4	724.8	198.3	833.2
	Ratio (1 in X) ^d	328	46	137	504	120
40-49	Population ^a	132,519	52,252	6,274	9,993	201,038
	Cases ^b	894	3,028	84	63	4,069
	Rate ^c	674.6	5,795.0	1,338.9	630.4	2,024.0
	Ratio (1 in X) ^d	148	17	74	158	49
50-59	Population ^a	123,710	41,141	3,173	7,114	175,138
	Cases ^b	576	2,661	48	37	3,322
	Rate ^c	465.6	6,468.0	1,512.8	520.1	1,896.8
	Ratio (1 in X) ^d	214	15	66	192	52
60+	Population ^a	151,973	39,955	2,640	7,024	201,592
	Cases ^b	238	852	***	***	1,119
	Rate ^c	156.6	2,132.4	***	***	555.1
	Ratio (1 in X) ^d	638	46	***	***	180
TOTAL MALES BY RACE/ ETHNICITY	Population ^a	815,249	351,078	47,006	72,299	1,285,632
	Cases ^b	2,130	8,374	254	151	10,909
	Rate ^c	261.3	2,385.2	540.4	208.9	848.5
	Ratio (1 in X) ^d	382	41	185	478	117

a Population is from the July 1, 2008 Census Population Estimates

b During the transition to name-based HIV reporting, not all code-based HIV cases were located and re-reported, therefore the number of living HIV cases without AIDS and the total living HIV cases are lower than previously reported

c Rate is number of cases per 100,000 population

d Ratio is number of people per case (there was 1 case for every 117 males in the Baltimore-Towson Metropolitan Area)

*** Data withheld due to low population and/or case counts

Female Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to Have Died as of 12/31/08 as Reported by Name through 12/31/09

FEMALES						
AGE ON 12/31/08		RACE/ETHNICITY				TOTAL FEMALES BY AGE
		Non-Hispanic White	Non-Hispanic Black	Hispanic	Other	
<13 (Pediatric)	Population ^a	119,673	70,045	11,744	16,490	217,952
	Cases ^b	***	26	***	***	27
	Rate ^c	***	37.1	***	***	12.4
	Ratio (1 in X) ^d	***	2,694	***	***	8,072
13-19	Population ^a	75,053	43,642	4,148	7,150	129,993
	Cases ^b	***	119	***	***	128
	Rate ^c	***	272.7	***	***	98.5
	Ratio (1 in X) ^d	***	366	***	***	1,015
20-29	Population ^a	102,378	60,125	6,811	11,705	181,019
	Cases ^b	60	419	11	12	502
	Rate ^c	58.6	696.9	161.5	102.5	277.3
	Ratio (1 in X) ^d	1,706	143	619	975	360
30-39	Population ^a	100,848	55,756	7,453	13,442	177,499
	Cases ^b	199	1,105	26	25	1,355
	Rate ^c	197.3	1,981.8	348.9	186.0	763.4
	Ratio (1 in X) ^d	506	50	286	537	130
40-49	Population ^a	136,755	64,253	5,404	10,830	217,242
	Cases ^b	284	2,189	29	27	2,529
	Rate ^c	207.7	3,406.8	536.6	249.3	1,164.1
	Ratio (1 in X) ^d	481	29	186	401	85
50-59	Population ^a	128,456	53,560	3,141	8,149	193,306
	Cases ^b	131	1,279	6	18	1,434
	Rate ^c	102.0	2,388.0	191.0	220.9	741.8
	Ratio (1 in X) ^d	980	41	523	452	134
60+	Population ^a	191,165	61,636	3,287	8,386	264,474
	Cases ^b	41	334	***	***	381
	Rate ^c	21.4	541.9	***	***	144.1
	Ratio (1 in X) ^d	4,662	184	***	***	694
TOTAL FEMALES BY RACE/ ETHNICITY	Population ^a	854,328	409,017	41,988	76,152	1,381,485
	Cases ^b	722	5,471	77	86	6,356
	Rate ^c	84.5	1,337.6	183.4	112.9	460.1
	Ratio (1 in X) ^d	1,183	74	545	885	217

a Population is from the July 1, 2008 Census Population Estimates

b During the transition to name-based HIV reporting, not all code-based HIV cases were located and re-reported, therefore the number of living HIV cases without AIDS and the total living HIV cases are lower than previously reported

c Rate is number of cases per 100,000 population

d Ratio is number of people per case (there was 1 case for every 217 females in the Baltimore-Towson Metropolitan Area)

*** Data withheld due to low population and/or case counts

Section IX – HIV and AIDS Cases by Exposure Category, Age, and Gender, Diagnoses during 2008

Reported HIV Cases with or without an AIDS Diagnosis, Diagnosed with HIV during 1/1/08-12/31/08 (Reported HIV Diagnoses) and Reported HIV Cases with an AIDS Diagnosis, Diagnosed with AIDS during 1/1/08-12/31/08 (Reported AIDS Diagnoses) as Reported by Name through 12/31/09

ALL AGES ALL GENDERS EXPOSURE CATEGORY	Reported HIV Diagnoses ^a		Reported AIDS Diagnoses	
	No.	%	No.	%
Men who have Sex with Men (MSM)	281	35.9%	92	21.4%
Injection Drug Users (IDU)	213	27.2%	180	42.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	16	2.0%	12	2.8%
Heterosexual Exposure (HET)	269	34.4%	141	32.9%
Other Exposures	3	0.4%	4	0.9%
No Reported Exposure ^b	554		141	
TOTAL	1,336	100.0%	570	100.0%

ADULT/ADOLESCENT (AGE 13+ AT DIAGNOSIS) MALES EXPOSURE CATEGORY	Reported HIV Diagnoses ^a		Reported AIDS Diagnoses	
	No.	%	No.	%
Men who have Sex with Men (MSM)	281	51.1%	92	32.7%
Injection Drug Users (IDU)	148	26.9%	117	41.6%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	16	2.9%	12	4.3%
Heterosexual Exposure (HET)	105	19.1%	58	20.6%
Other Exposures	0	0.0%	2	0.7%
No Reported Exposure ^b	321		81	
TOTAL ADULT/ADOLESCENT MALES	871	100.0%	362	100.0%

ADULT/ADOLESCENT (AGE 13+ AT DIAGNOSIS) FEMALES EXPOSURE CATEGORY	Reported HIV Diagnoses ^a		Reported AIDS Diagnoses	
	No.	%	No.	%
Injection Drug Users (IDU)	65	28.4%	63	42.6%
Heterosexual Exposure (HET)	164	71.6%	83	56.1%
Other Exposures	0	0.0%	2	1.4%
No Reported Exposure ^b	233		60	
TOTAL ADULT/ADOLESCENT FEMALES	462	100.0%	208	100.0%

a During the transition to name-based HIV reporting, many reported HIV cases were identified by a recent HIV diagnosis, but not by their earliest HIV diagnosis, resulting in an over-reporting of HIV diagnoses in recent years

b Cases with no reported exposure category were excluded from percent distributions

Section X – HIV and AIDS Cases by Exposure Category, Age, and Gender, Alive on 12/31/2008

Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to Have Died as of 12/31/08 as Reported by Name through 12/31/09

ALL AGES ALL GENDERS EXPOSURE CATEGORY	Living HIV Cases without AIDS ^a		Living HIV Cases with AIDS		Total Living HIV Cases ^a	
	No.	%	No.	%	No.	%
Men who have Sex with Men (MSM)	1,503	27.5%	1,922	22.0%	3,425	24.1%
Injection Drug Users (IDU)	2,109	38.6%	3,964	45.4%	6,073	42.8%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	181	3.3%	358	4.1%	539	3.8%
Heterosexual Exposure (HET)	1,548	28.4%	2,322	26.6%	3,870	27.3%
Other Exposures	116	2.1%	164	1.9%	280	2.0%
No Reported Exposure ^b	2,186		892		3,078	
TOTAL	7,643	100.0%	9,622	100.0%	17,265	100.0%

ADULT/ADOLESCENT (AGE 13+ ON 12/31/08) MALES EXPOSURE CATEGORY	Living HIV Cases without AIDS ^a		Living HIV Cases with AIDS		Total Living HIV Cases ^a	
	No.	%	No.	%	No.	%
Men who have Sex with Men (MSM)	1,503	43.3%	1,922	33.9%	3,425	37.5%
Injection Drug Users (IDU)	1,288	37.1%	2,456	43.4%	3,744	41.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	181	5.2%	358	6.3%	539	5.9%
Heterosexual Exposure (HET)	462	13.3%	847	15.0%	1,309	14.3%
Other Exposures	40	1.2%	81	1.4%	121	1.3%
No Reported Exposure ^b	1,232		514		1,746	
TOTAL ADULT/ADOLESCENT MALES	4,706	100.0%	6,178	100.0%	10,884	100.0%

ADULT/ADOLESCENT (AGE 13+ ON 12/31/08) FEMALES EXPOSURE CATEGORY	Living HIV Cases without AIDS ^a		Living HIV Cases with AIDS		Total Living HIV Cases ^a	
	No.	%	No.	%	No.	%
Injection Drug Users (IDU)	821	41.9%	1,508	49.5%	2,329	46.5%
Heterosexual Exposure (HET)	1,086	55.4%	1,475	48.4%	2,561	51.1%
Other Exposures	53	2.7%	65	2.1%	118	2.4%
No Reported Exposure ^b	943		378		1,321	
TOTAL ADULT/ADOLESCENT FEMALES	2,903	100.0%	3,426	100.0%	6,329	100.0%

- a During the transition to name-based HIV reporting, not all code-based HIV cases were located and re-reported, therefore the number of living HIV cases without AIDS and the total living HIV cases are lower than previously reported
- b Cases with no reported exposure category were excluded from percent distributions